

## Contents of *Agriculture Ecosystems and Environment*, Volume 36

**Vol. 36 Nos. 1–2**

**June 1991**

Variations in responses of dry bean ( <i>Phaseolus vulgaris</i> ) cultivars to ozone P.J. Temple (Riverside, CA, USA).....	1
The impact of fertilizer application techniques on nitrogen yield from two tillage systems S. Mostaghimi, T.M. Younos and U.S. Tim (Blacksburg, VA, USA) .....	13
Agroecosystems performance in the semi-arid pampas of Argentina and their interactions with the environment E.F. Viglizzo, Z.E. Roberto (La Pampa, Argentina) and N.R. Brockington (Coronel Pacheco, M.G., Brazil) .....	23
Bird communities associated with three traditional agroecosystems in the San Luis Potosi Plateau, Mexico E. Mellink (Ensenada, BC, Mexico) .....	37
Changes in the quantity and quality of grassland due to winter grazing by brent geese ( <i>Branta bernicla</i> ) R.W. Summers and J. Stansfield (Guildford, UK) .....	51
Livestock waste treatment in a double channel oxidation ditch A. Ushikubo, M. Yoshimura, M. Kato, G. Oyama (Tokyo, Japan) and F.M. D'Itri (East Lansing, MI, USA) .....	59
The impact of 20 years' absence of earthworms and three levels of N fertilizer on a grassland soil environment R.O. Clements, P.J. Murray (Maidenhead, UK) and R.G. Sturdy (Farnham, UK).....	75
A comparison of moisture-conserving practices for the traditional sorghum-based cropping system of the Bay Region, in Somalia G.E. Eagleton (Armidale, N.S.W., Australia), A.A. Mohamed, A.A. Odowa and H.A. Muse (Mogadishu, Somalia) .....	87
High bed-low ditch system in the Pearl River Delta, South China S.M. Luo (Guangzhou, People's Republic of China) and R.J. Lin (Hai Nan, People's Republic of China) .....	101
<b>Short Communication</b>	
Postsettlement changes in limnic sediments from southern Alberta, Canada W.L. Strong (Edmonton, Alta., Canada) .....	111
<b>Book Reviews</b>	
Humic substances .....	119
Agroforestry in dryland Africa .....	120
The grazing land ecosystems of the African Sahel .....	122
The Jonglei Canal—impact and opportunity .....	123
<b>Announcement</b> .....	125

Factors affecting acceptance and continued use of soil conservation practices in developing societies: a diffusion perspective T.L. Napier (Columbus, OH, USA) .....	127
Bioassays of insecticide spray drift: the effects of wind speed on the mortality of <i>Pieris brassicae</i> larvae (Lepidoptera) caused by diflubenzuron B.N.K. Davis, K.H. Lakhani, T.J. Yates and A.J. Frost (Huntingdon, UK) .....	141
The hazards of insecticides to butterflies of field margins B.N.K. Davis, K.H. Lakhani and T.J. Yates (Huntingdon, UK) .....	151
Attraction of scarab beetle populations (Coleoptera: Scarabaeidae) to Japanese beetle lures in the Republic of Korea D.K. Reed (Stillwater, OK, USA), M.H. Lee, S.H. Kim (Suwon, South Korea) and M.G. Klein (Wooster, OH, USA) .....	163
Augmentation of an endemic entomogenous nematode by agroecosystem manipulation for the control of a soil pest G.E. Brust (Raleigh, NC, USA) .....	175
Effect of inter-cropping on the incidence of potato tuber moth, <i>Phthorimaea operculella</i> (Zeller) L. Lal (Shillong, India) .....	185
Palatability of herbicide-treated maize to the Indian stick insect ( <i>Carausius morosus</i> ) J.K. Holopainen, E. Kainulainen and O. Hänninen (Kuopio, Finland) .....	191
Energy budget studies of some multiple cropping patterns of the Central Himalaya S. Sharma (Almora, India) .....	199
Peculiarities of common ragweed ( <i>Ambrosia artemisiifolia</i> L.) strategy V.Ya. Maryushkina (Kiev, USSR) .....	207
The organization and coverage of research on reduced use of agricultural chemicals W. Lockeretz (Medford, MA, USA) .....	217
<b>Views and Comments</b>	
The New World screwworm fly in North Africa: implications and eradication plans A.T. Showler (Washington, DC, USA) .....	235
<b>Book reviews</b>	
Agropastoral systems .....	241
Environment .....	244
Beneficial organisms and pesticides .....	246
Synthetic pyrethroid insecticides .....	248
Carbon dioxide and global change .....	249
Soils and the greenhouse effect .....	251
Improving cotton quality and yield .....	252
<b>Author Index</b> .....	255

